

SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +480°F



7.7

MASTER-CLIP TEFLON S

Material

hose wall:
inner layer: PTFE-film
outer layer: silicone-coated glass fabric
external helix: galvanized steel

Applications

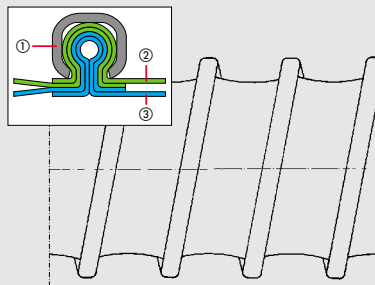
- extraction of corrosive media
- chemical plants
- paint mist exhaustion
- paint, wood and paper industries
- extraction of solvents
- pharmaceutical industry
- low pressure applications

Properties

- excellent chemical resistance
- PTFE: harmless to health
- heat and cold resistant
- excellent weather resistance
- highly flexible
- extreme compressibility 1:6
- small bend radius
- outer hose wall of extra strength material
- hose wall with non-stick surface
- optimum flow characteristics
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

Construction

- ① external helix
- ② outer layer: silicone-coated glass fabric
- ③ inner layer: PTFE-film



Temperature Range

- -90°F up to +480°F
- intermittent to +520°F

Chem. Resistance

see resistance table
register no. 15

Technical Data, custom designs and forms of delivery see back page

 **Masterduct**
Member of the Masterflex-Group

MASTER-CLIP TEFLON S

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.0	342	141	1.20	0.3355	252-050-116
2.2	313	117	1.32	0.3355	252-055-116
2.4	273	98	1.44	0.4026	252-060-116
2.6	237	84	1.56	0.4697	252-065-116
2.8	213	70	1.68	0.4697	252-070-116
3.0	189	62	1.80	0.5368	252-075-116
3.2	173	55	1.92	0.5368	252-080-116
3.6	143	44	2.16	0.6039	252-090-116
4.0	121	35	2.40	0.6710	252-100-116
4.4	104	29	2.64	0.7381	252-110-116
4.8	90	25	2.88	0.7381	252-120-116
5.0	84	22	3.00	0.8052	252-125-116
5.2	79	21	3.12	0.8052	252-130-116
5.6	70	18	3.36	0.8723	252-140-116
6.0	63	16	3.60	0.8723	252-150-116
6.4	56	14	3.84	0.8723	252-160-116
6.8	51	12	4.08	0.9394	252-170-116
7.0	49	12	4.20	0.9394	252-175-116
7.2	47	11	4.32	0.9394	252-180-116
8.0	40	9	4.80	1.0736	252-200-116
8.6	35	8	6.04	1.2078	252-215-116
9.0	33	7	6.32	1.3420	252-225-116
10.0	28	6	7.00	1.4091	252-250-116
11.0	24	5	7.72	1.5433	252-275-116
12.0	21	4	8.40	1.6104	252-300-116
12.6	19	4	8.84	1.7446	252-315-116
13.0	18	3	9.12	1.8788	252-325-116
14.0	16	3	9.80	2.2143	252-350-116
15.0	14	3	10.52	2.3485	252-375-116
16.0	13	2	11.20	2.5498	252-400-116
18.0	11	2	14.4	2.8182	252-450-116
20.0	9	1	16.00	3.1537	252-500-116
22.0	8	1	17.60	3.5563	252-550-116
24.0	7	1	19.20	3.9589	252-600-116
28.0	6	1	22.40	4.6299	252-700-116
32.0	4	1	25.60	5.0996	252-800-116
36.0	4	1	28.80	5.5022	252-900-116

* Referring to the inner side of the elbow of hose.

The above mentioned data refers to an average and ambient temperature of 68°F. Subject to technical changes and color variations. Please refer to technical data sheet when selecting hose.

Installation and connection possibilities (see section no. 11 and 12):



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector

Delivery forms:

Standard production:

- Dia. 2" - 36"
- Color: inside white outside silvergrey
- Production lengths 20', 25'

Available on request:

- special diameters
- special lengths
- custom design with other pitches and helix sizes
- external helix also in stainless steel or aluminium



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SPECIAL HOSE CLAMP FOR MASTER-CLIP HOSES



CLIP-GRIP

Material

clamp band: galvanized steel
screw casing: galvanized steel
bridge: galvanized steel

Properties

- rust resistant
- easy to install
- extra strength

Applications

- special hose clamps for securing all types of hoses from the MASTER-CLIP series on mobile and stationary units

Construction

- hose clamp with one or more worm drive(s)
- with a hexagon head screw
- with one or more spot-welded bridges



Technical Data, custom designs and forms of delivery see back page

CLIP-GRIP

For MASTER-CLIP hoses (Dia.)	Clamping range (in.)	Product code
1.52" thru 36"	1.52" thru 36"	530-038-100 thru 530-900-100

Note:

CLIP-GRIP worm drive hose clamps are only suitable for securing MASTER-CLIP hoses. We recommend our standard worm drive hose clamps or heavy duty bolted clamps for securing other spiral hoses.

Delivery forms:

Standard production:

- clamping ranges from 1.52" - 36.2"

Available on request:

- in stainless steel
- other clamping ranges
- reinforced clamps with additional bridges



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HOSE CLAMP, BOLT CLAMP



11.3

HOSE CLAMP, BOLT CLAMP

Material

clamp band: galvanized steel
screws: galvanized steel

Applications

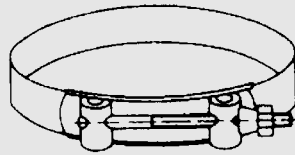
- for attaching medium-weight and heavy spiral hoses onto connecting branches on mobile and stationary units

Properties

- rust resistant
- extra strength
- band width .70" - 1.0"
- band thickness .023" - .063"

Construction

Large strip hose clamp with fastening lug



Technical Data, custom designs and forms of delivery see back page

HOSE CLAMP, BOLT CLAMP

Clamping range (in.)	Width x thickness (in.)	Product code
1.25" thru 20"	.80" x .03" thru 1.00" x .04"	621-032-115 thru 621-500-115

Note:

Heavy duty bolted clamps are suitable for the mounting of medium and heavy weight spiral hose types. For the mounting of lightweight hose qualities we recommend worm drive hose clamps.

Delivery forms:

Standard production:
● clamping ranges from 1.25" - 20"

Available on request:

- in stainless steel
- other clamping ranges



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HOSE CLAMP WITH WORM GEAR DRIVE



11.4

HOSE CLAMP WITH WORM GEAR DRIVE

Material

clamp band: galvanized steel
screw casing: galvanized steel

Properties

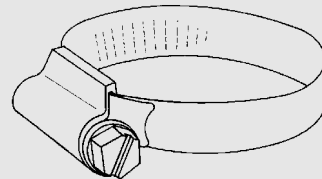
- rust resistant
- extra strength

Applications

- for attaching light spiral hoses onto connecting branches on mobile and stationary units

Construction

one-piece hose band clamps with a hexagon head screw, recessed



Technical Data, custom designs and forms of delivery see back page

HOSE CLAMP WITH WORM GEAR DRIVE

Clamping range (in.)	Product code
1" thru 20"	620-025-100 thru 620-500-100

Delivery forms:

Standard production:
● clamping ranges from 1" - 20"

Available on request:

- in stainless steel
- other clamping ranges

Note:

Worm drive hose clamps are suitable for the mounting of lightweight spiral hose types. For the mounting of heavy weight hose qualities we recommend the heavy duty bolted clamps.



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HOSE REDUCER



11.5

HOSE REDUCER

Material

galvanized steel

Applications

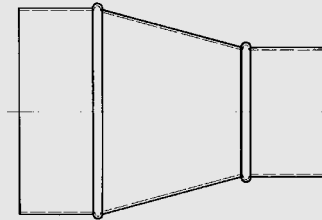
- for extending, connecting and attaching lightweight or medium weight hoses

Properties

- easy to install
- lightweight
- resistant to corrosion

Construction

reducer of rolled sheet steel with beadings on both ends



Technical Data, custom designs and forms of delivery see back page

HOSE REDUCER

(Dia. 1)	(Dia. 2)	S Ga.	L1 (in.)	L2 (in.)	Product code
3" thru 12"	2" thru 10"	24	3.5"	3"	632-080-050 thru 632-300-250

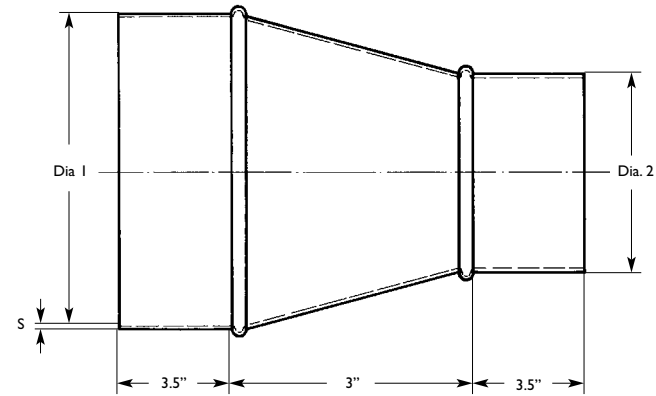
Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special diameters
- stainless steel



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HOSE CONNECTOR



11.6

HOSE CONNECTOR

Material

galvanized steel

Applications

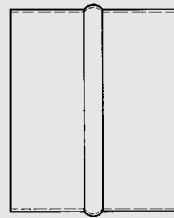
- extending, connecting and attaching lightweight or medium weight hoses

Properties

- easy to install
- lightweight
- resistant to corrosion

Construction

rolled sheet steel with beandings



Technical Data, custom designs and forms of delivery see back page

HOSE CONNECTOR

(Dia.)	Ga.	L (in.)	Product code
2" thru 36"	24	3.5"	630-050-100 thru 630-900-100

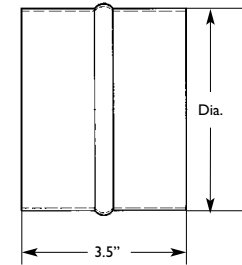
Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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